



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 10/791,190

Filed: March 2, 2004

For: APPARATUS FOR PREPARING
BALL GRID ARRAY SUBSTRATES VIA
USE OF A LASER (as amended)

Confirmation No.: 1971

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718.3US
(00-0316.03/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 22, 2007
Date

Signature

Leta M. Howard
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 10/706,575, filed on November 12, 2003, and directed to a related invention.

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In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

| <u>U.S. Patent No.</u> | <u>Publication Date</u> | <u>Patentee</u> |
|-------------------------------|--------------------------------|------------------------|
| US - 4,767,049 | 08/30/1988 | Butt et al. |
| US - 5,656,229 | 08/12/1997 | Tanimoto et al. |
| US - 5,866,271 | 02/02/1999 | Stueber et al. |
| US - 5,883,437 | 03/16/1999 | Maruyama et al. |
| US - 6,544,816 | 04/08/2003 | Lim et al. |
| US - 2002/0030261 A1 | 03/14/2002 | Rolda et al. |

Foreign Patent Documents

| <u>Document No.</u> | <u>Publication Date</u> | <u>Patentee</u> |
|----------------------------|--------------------------------|------------------------|
| JP403101141A | 04/25/1991 | Kawada et al. |
| EP472768A | 03/04/1992 | Beer et al. |

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the final Office Action under 37 C.F.R. § 1.113, but before payment of the issue fee.

I hereby certify that no item of information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the statement. Pursuant to 37 C.F.R. § 1.97(d)(ii), applicant hereby requests consideration of the accompanying Supplemental Information Disclosure Statement. The fee pursuant to 37 C.F.R. § 1.17(p) for consideration of this Supplemental Information Disclosure Statement is enclosed.

Respectfully submitted,



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Date: January 22, 2007

JRD/dlm:lmh

Enclosures: Form PTO-1449 or PTO/SB/08
Cited Non-U.S. Patent Documents
Check No. 10679 in the amount of \$180.00

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|------------------------|-------------------------------|
| Application Number | 10/791,190 |
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| First Named Inventor | Frank L. Hall |
| Group Art Unit | 1725 |
| Examiner Name | S. Heinrich |
| Attorney Docket Number | 2269-4718.3US (00-0316.03/US) |

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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First Named Inventor

Frank L. Hall

Group Art Unit

1725

Examiner Name

S. Heinrich

Attorney Docket Number

2269-4718.3US (00-0516.03/US)

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁴ |
|--------------------|-----------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ² - Kind Code ³ (if known) | | | | |
| | | JP 360015985A | 01/1985 | Fujitsu Ltd | | X |
| | | JP 360123084A | 07/1985 | Matsushita Electric | | X |
| | | JP 363117421A | 05/1988 | Nikon Corp | | X |
| | | JP 407030121A | 01/1995 | Sanyo Electric | | X |
| | | JP 409325365A | 12/1997 | Hitachi Ltd | | X |
| | | JP 2000012726A | 01/2000 | Sony Corp | | X |
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